DERWENT-ACC-NO: 1989-201309

DERWENT-WEEK: 198928

TITLE: Spherical coloured silica powder mfr. - by immersing silicon alkoxide contg. colouring agent in ammoniacal water and hydrolysing

PATENT-ASSIGNEE: MITSUBISHI METAL CORP[MITV]

PRIORITY-DATA: 1987JP-0294122 (November 24, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 01138114 A	May 31, 1989	N/A	005	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 01138114A	N/A	1987JP-0294122	November 24, 1987

INT-CL (IPC): C01B033/18

ABSTRACTED-PUB-NO: JP 01138114A

BASIC-ABSTRACT:

Silicone alcoxide on agent is dipped into ammcontg. colouringiacal water ano hydrolysed. Silicon alkoxide is 5-25 wt. % of the total wt. of silicon alkoxide, ammonia, and water. Ammonia is 1.4-13.3 wt. % of the above total wt.

USE/ADVANTAGE - The spherical colour silica powder is used as synthetic rubber filler, paint, pesticide, pigment or synthetic resin. The powder has good

water resistance.

In an example, 5 pts. wt. tetramethoxy silane and 0.3 pts. wt. titania are
dipped in 5 pts. wt. 28% ammoniacal water and 90 pts. wt. water. Then it is
stirred for 30 min, and silica powder is pptd. Then it is filtered, washed and
dried at 100 deq. C. The obtd. silica is spherical and has 26.8 micron of mean
dia.

TITLE-TERMS: SPHERE COLOUR SILICA POWDER MANUFACTURE IMMERSE SILICON ALKOXIDE
CONTAIN COLOUR AGENT AMMONIACAL WATER HYDROLYSIS

DERWENT-CLASS: A60 C03 E36 G01 G02

CPI-CODES: A08-E02; A08-R06A; C05-B01B; C12-M11G; C12-N01; E31-P01; G01-A06;

CHEMICAL-CODES:
Chemical Indexing M2 *01*
Fragmentation Code
B114 B702 B720 B831 C108 C800 C802 C803 C804 C805
C807 M411 M720 M903 M904 M910 N104 N209 N242 Q130
Q332 Q606 R036
Specfic Compounds
01694P
Registry Numbers
1704X 1724X 1711X 1714X

Chemical Indexing M2 *02*
Fragmentation Code
A422 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M903 M904 M910 N104 N209 N242 Q130
Q332 Q606 R036
Specfic Compounds
01966P
Registry Numbers
1704X 1724X 1711X 1714X

Chemical Indexing M2 *03*
Fragmentation Code
A426 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M903 M904 M910 N104 N209 N242 Q130
Q332 Q606 R036
Specfic Compounds

01508P 03239P
Registry Numbers
1704X 1724X 1711X 1714X

Chemical Indexing M3 *01*
Fragmentation Code
B114 B702 B720 B831 C108 C800 C802 C803 C804 C805
C807 M411 M720 M903 M904 M910 N104 N209 N242 Q130
Q332 Q606 R036
Specfic Compounds
01694P
Registry Numbers
1704X 1724X 1711X 1714X

Chemical Indexing M3 *02*
Fragmentation Code
A422 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M903 M904 M910 N104 N209 N242 Q130
Q332 Q606 R036
Specfic Compounds
01966P
Registry Numbers
1704X 1724X 1711X 1714X

Chemical Indexing M3 *03*
Fragmentation Code
A426 A940 C108 C550 C730 C801 C802 C803 C804 C805
C807 M411 M720 M903 M904 M910 N104 N209 N242 Q130
Q332 Q606 R036
Specfic Compounds
01508P 03239P
Registry Numbers
1704X 1724X 1711X 1714X

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1508P; 1534S ; 1694P ;
1694P ; 1694U ; 1966P
; 1966U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0009 0037 0205 0224 0072 0228 0229 2179 2199
2208 2209 2218 2220
2321 2589 2792
Multipunch Codes: 014 03& 03- 032 07& 075 09& 15- 229 244 305
306 308 310 360
364 365 44& 516 518 654 656 721

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1989-089114